

ABSTRACT OF THE DISCLOSURE

A comparator circuit includes a differential amplifier including load resistors, for amplifying difference between two input voltages of the comparator circuit; an emitter follower circuit for applying positive feedback with respect to a differential amplifier and outputting an output voltage of the comparator circuit; and a grounded-base amplifier, and outputting an output voltage of the comparator circuit, for realizing both voltage output and current output. A grounded-base amplifier includes two transistors each of which has a base supplied with a reference voltage. The differential amplifier includes two load resistors respectively connected to each emitter of the transistors of the grounded-base amplifier. The load resistor flowing a current which is obtained through a collector of the transistor as an output current of the comparator. With this arrangement, it is not necessary to provide a current switch circuit for obtaining current output of the comparator circuit.